

OIL ANALYSIS REPORT

Sample Rating Trend



PNETECH CAMPTUR2LUB

Turbine

PETRO CANADA HARM RO 46 (--- LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

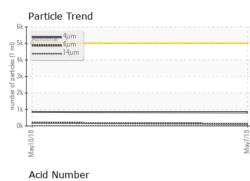
The AN level is acceptable for this fluid. The condition of the sample is suitable for further service.

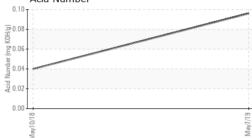
			11 1.0				
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC119391	WC984129		
Sample Date		Client Info		07 May 2019	10 May 2018		
Machine Age	hrs	Client Info		187991	182716		
Oil Age	hrs	Client Info		24645	19370		
Oil Changed		Client Info		N/A	N/A		
Sample Status				NORMAL	NORMAL		
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)		<1	<1		
Chromium	ppm	ASTM D5185(m)		0	0		
Nickel	ppm	ASTM D5185(m)		0	<1		
Titanium	ppm	ASTM D5185(m)		0	0		
Silver	ppm	ASTM D5185(m)		0	0		
Aluminum	ppm	ASTM D5185(m)		0	0		
Lead	ppm	ASTM D5185(m)		<1	0		
Copper	ppm	ASTM D5185(m)		0	0		
Tin	ppm	ASTM D5185(m)		0	0		
Antimony	ppm	ASTM D5185(m)		0	<1		
Vanadium	ppm	ASTM D5185(m)		0	0		
Beryllium	ppm	ASTM D5185(m)		0	0		
Cadmium	ppm	ASTM D5185(m)		0	0		
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		0	<1		
Barium	ppm	ASTM D5185(m)		0	0		
Molybdenum	ppm	ASTM D5185(m)		0	0		
Manganese	ppm	ASTM D5185(m)		0	0		
Magnesium	ppm	ASTM D5185(m)		<1	<1		
Calcium	ppm	ASTM D5185(m)		<1	0		
Phosphorus	ppm	ASTM D5185(m)		4	4		
Zinc	ppm	ASTM D5185(m)		<1	1		
Sulfur	ppm	ASTM D5185(m)		4	8		
Lithium	ppm	ASTM D5185(m)		0	<1		
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	innibacco	2	2		
Sodium		ASTM D5185(m)		1	2		
Potassium	ppm ppm	ASTM D5185(m)	>20	0	0		
FLUID CLEANLIN		method	limit/base		history1	history2	
	ESS			current			
Particles >4µm		ASTM D7647	>5000	812	854		
Particles >6µm		ASTM D7647		128	192		
Particles >14µm		ASTM D7647	>160	9	17		
Particles >21µm		ASTM D7647		3	6		
Particles >38µm		ASTM D7647	>10	0	0		
Particles >71µm		ASTM D7647		0	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/14/10	17/15/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*		0.096	0.04		
5:01:30) Rev: 1	1:30) Rev: 1 Contact/Location: Nelson Ross - PET412						

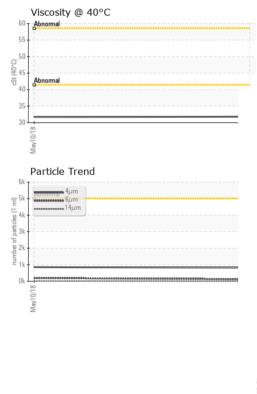
Report Id: PET412PET [WCAMIS] 02285275 (Generated: 08/15/2023 16:01:30) Rev: 1



OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history
/hite Metal	scalar	Visual*	NONE	NONE	NONE	
ellow Metal	scalar	Visual*	NONE	NONE	NONE	
recipitate	scalar	Visual*	NONE	NONE	NONE	
ilt	scalar	Visual*	NONE	NONE	NONE	
ebris	scalar	Visual*	NONE	VLITE	LIGHT	
and/Dirt	scalar	Visual*	NONE	NONE	NONE	
ppearance	scalar	Visual*	NORML	NORML	NORML	
dor	scalar	Visual*	NORML	NORML	NORML	
mulsified Water	scalar	Visual*	NOTIVIE	NEG	NEG	
ree Water					NEG	
	scalar	Visual*		NEG		
		method	limit/base	current	history1	history
isc @ 40°C	cSt	ASTM D7279(m)		31.8	31.7	
SAMPLE IMAGE	S	method	limit/base	current	history1	history
olor					no image	no image
ottom				no image	no image	no image
GRAPHS						
Non-ferrous Meta	ls		122,880 30,720 7,680 192,880 7,680 192,944 193,944 193,944 193,944 193,944 193,944 193,944 193,944 193,944 193,944 193,944 194,944194,944 194,944 194,944 194,944 194,944 194,944 194,944 194,944 194,944 194,944 194,944 194,944 194,944 194,944 194,944 194,944 194,944 194,944 194,944194,944 194,944 194,944 194,944 194,944194,944 194,944 194,944194,944 194,944 194,944194,944 194,944194,944 194,944194,944 194,944194,944 194,944194,944 194,944194,944 194,944194,944 194,944194,944 194,944194,944 194,944194,944 194,944194,944 194,944194,944 194,944194,944 194,944,944194,944,944194,944,944,944194,944,944,944194,944,944	Severe Abnormal	•••	
May10/18						
S Viscosity @ 40°C Abnormal Abnormal			0.00 0.00	Acid Numbe	14μ 21μ Γ	38µ 71,
W		huling Dur	≊ lington, ON L		TERBOROUGH	

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

CALA

ISO 17025:2017 Accredited Laboratory

饀

Laboratory

Sample No.

Lab Number

Unique Number Test Package

F: (705)748-3138